

OPINION 1860***Acanthoteuthis* Wagner in Münster, 1839 and *Muensterella* Schevill, 1950 (Mollusca, Cephalopoda): placed on the Official List**

Keywords. Nomenclature; taxonomy; Mollusca; Cephalopoda; *Acanthoteuthis*; *Kelaeno*; *Muensterella*.

Ruling

- (1) The following names are hereby placed on the Official List of Generic Names in Zoology:
 - (a) *Acanthoteuthis* Wagner in Münster, 1839 (gender: feminine), type species by subsequent designation by Bülow-Trummer (1920) *Acanthoteuthis speciosa* Münster, 1839;
 - (b) *Muensterella* Schevill, 1950 (gender: feminine), type species by subsequent designation by Bülow-Trummer (1920) for the replaced nominal genus *Kelaeno* Münster, 1842, *Kelaeno arquata* Münster, 1842.
- (2) The following names are hereby placed on the Official List of Specific Names in Zoology:
 - (a) *speciosa* Münster, 1839, as published in the binomen *Acanthoteuthis speciosa* (specific name of the type species of *Acanthoteuthis* Wagner in Münster, 1839);
 - (b) *arquata* Münster, 1842, as published in the binomen *Kelaeno arquata* (specific name of the type species of *Muensterella* Schevill, 1950).
- (3) The name MUENSTERELLIDAE Roger, 1952 (1921) (type genus *Muensterella* Schevill, 1950) is hereby placed on the Official List of Family-Group Names in Zoology.
- (4) The following names are hereby placed on the Official Index of Rejected and Invalid Generic Names in Zoology:
 - (a) *Kelaeno* Münster, 1839 (unavailable because not published as a valid name);
 - (b) *Kelaeno* d'Orbigny, 1841 (a junior objective synonym of *Acanthoteuthis* Münster, 1839);
 - (c) *Kelaeno* Münster, 1842 (a junior homonym of *Kelaeno* d'Orbigny, 1841);
 - (d) *Celaeno* Wagner, 1860 (a junior objective synonym of *Kelaeno* Münster, 1842 and a junior homonym of *Celaeno* Rafinesque-Schmaltz, 1815);
- (5) The following names are hereby placed on the Official Index of Rejected and Invalid Family-Group Names in Zoology:
 - (a) KELAENIDAE Naef, 1921 (invalid because the name of its type genus, *Kelaeno* Münster, 1842, is a junior homonym);
 - (b) CELAENIDAE Naef, 1922 (an incorrect subsequent spelling of KELAENIDAE Naef, 1921).

History of Case 2902

An application to conserve the usage of the generic names *Acanthoteuthis* Wagner in Münster, 1839 and *Kelaeno* Münster, 1842 was received from Prof D.T. Donovan

(University College London, London, U.K.) on 5 August 1993. After correspondence the case was published in BZN 51: 219–223 (September 1994). Notice of the case was sent to appropriate journals.

Further information relevant to the application was supplied by the author in BZN 52: 65 (March 1995).

Comments in support from Dr W. Riegraf (*Münster, Germany*) and from Dr Marion Nixon (*Birkbeck College, London, U.K.*) were published in BZN 52: 65.

A comment from Dr Theo S. Engeser (*Institut für Paläontologie, Freie Universität Berlin, Berlin, Germany*), also published in BZN 52: 65, supported the placement of the name *Acanthoteuthis* Wagner in Münster, 1839 on the Official List but opposed the conservation of *Kelaeno* Münster, 1842. He pointed out (para. 6 of his comment) that since 1950 authors had adopted *Kelaeno* Münster and its replacement *Muensterella* (published as *Münsterella*) Schevill, 1950 (p. 117) in equal numbers. Engeser proposed that *Kelaeno* Münster should be rejected as a junior homonym of *Kelaeno* d'Orbigny, 1841 and that *Muensterella* should be adopted. He added that it would be 'preferable' to replace KELAENIDAE Naef, 1921 by MUENSTERELLIDAE Roger, 1952 (1921).

In March 1995 the author of the application was asked if he wished to reply to Dr Engeser's comment on *Kelaeno*. Prof Donovan replied (in litt., August 1995): 'I think I am content to let matters take their course'.

The application was sent to the Commission for voting on 1 December 1995. It was noted on the voting paper that if it was not approved by a two-thirds majority of the votes, so that *Kelaeno* d'Orbigny, 1841 was not suppressed, *Muensterella* Schevill, 1950 (and not *Kelaeno* Münster, 1842) and MUENSTERELLIDAE Roger, 1952 (1921) would be placed on Official Lists, and *Kelaeno* d'Orbigny, 1841 (a junior objective synonym of *Acanthoteuthis* Münster, 1839 by Engeser's 1987 type species designation) and *Kelaeno* Münster, 1842 (a junior homonym of *Kelaeno* d'Orbigny, 1841) would be placed on the Official Index.

It was also noted that, whatever the outcome of the voting, it was proposed that the name *Celaeno* Wagner, 1860, an unjustified emendation (junior objective synonym) of *Kelaeno* Münster, 1842 (paras. 4 and 5 of Engeser's comment) and a junior homonym of *Celaeno* Rafinesque-Schmalz, 1815 (para. 3 of the application) be placed on the Official Index in addition to the names listed in para. 12(4) of the application.

The Commission approved (18 votes in favour, 8 against) the proposal to place *Acanthoteuthis*, and that of its type species *Acanthoteuthis speciosa* Münster, 1839, on Official Lists. The proposal to conserve *Kelaeno* Münster, 1842 by suppressing the senior homonym *Kelaeno* d'Orbigny, 1841 received a majority (17 votes in favour, 9 against) but failed to reach the required two-thirds majority for approval.

A number of Commissioners commented on their voting papers. Bock noted: 'I urge that the final ruling on this case includes a statement to clarify which are the valid family-group names. This is not at all clear to me'. Bouchet commented: 'No action by the Commission is necessary for the name *Acanthoteuthis*. Engeser has very convincingly demonstrated that *Kelaeno* and *Muensterella* have been cited in a few publications only and therefore there is no widespread usage to conserve. The principles of priority and homonymy should apply' [i.e. *Kelaeno* Münster, 1842

should be rejected as a junior homonym]. Lehtinen commented: 'There are no reasons to deviate from the Code in the case of *Kelaeno*. Dr Engeser has presented a solution and nothing need be added or altered'. Cogger, Hahn and Minelli also commented that they were persuaded by Dr Engeser's arguments.

Under the Bylaws the proposal to conserve the name *Kelaeno* Münster, 1842 required a revote. Completion of the voting on *Kelaeno* would allow an Opinion to be published combined with that on *Acanthoteuthis*. Before sending the application on *Kelaeno* for revoting the Commission Secretariat consulted Prof Donovan. He commented (in litt., March 1996): 'I am not worried by the loss of *Kelaeno* Münster, 1842, although I had proposed its conservation, provided that *Acanthoteuthis* is upheld and that the name *Kelaeno* is rejected in all possible meanings'.

The original proposals relating to *Kelaeno* (proposals (1), 2(b), (3)(b), (4)(a) and (4)(b) on BZN 51: 221-222) were set out and sent for a second vote on 16 September 1996. Additional proposals to place KELAENIDAE Naef, 1821 on the Official List and *Celaeno* Wagner, 1860 on the Official Index were included on the voting paper. Proposals (4)(c) and (d) in para. 12 on BZN 51: 222 (to place the incorrect subsequent spellings *Celaeno* Owen, 1844 and *Kalaeno* Krimholz, 1958 on the Official Index) were omitted; both are unavailable names.

Decisions of the Commission

On 1 December 1995 the members of the Commission were invited to vote on the proposals published in BZN 51: 221-222 (Vote 1), and on 16 September 1996 they were invited to revote on those relating to *Kelaeno* (Vote 2). At the close of the voting periods on 1 March 1996 and on 16 December 1996 respectively the votes were as follows:

Vote 1. Affirmative votes — 18: Bayer, Bock, Cocks, Halvorsen, Holthuis, Kabata, Kraus, Lehtinen (part), Macpherson, Mahnert, Martins de Souza, Nielsen, Nye, Ride, Savage, Schuster, Starobogatov, Trjapitzin

Negative votes — 8: Bouchet, Cogger, Corliss, Dupuis, Hahn, Heppell, Minelli and Štys.

Lehtinen supported placing *Acanthoteuthis* Wagner in Münster, 1839 on the Official List but voted against the conservation of *Kelaeno* Münster, 1842.

Vote 2. Affirmative votes — 10: Bock, Cocks, Kabata, Macpherson, Mawatari, Nye, Papp, Schuster, Song, Štys

Negative votes — 13: Bouchet, Brothers, Cogger, Eschmeyer, Heppell, Kerzhner, Kraus, Lehtinen, Mahnert, Martins de Souza, Minelli, Patterson and Savage. Nielsen abstained.

No vote was received from Dupuis.

Ride was on leave of absence.

Martins de Souza and Patterson commented that they were satisfied with Engeser's argument and agreed with his solution (adoption of the replacement name *Muensterella* Schevill, 1950) to the problem of the homonymous name *Kelaeno* Münster, 1842.

The required majority for the conservation of *Kelaeno* Münster, 1842 (and thus KELAENIDAE Naef, 1921) was not reached and the names *Muensterella* Schevill, 1950 and MUENSTERELLIDAE Roger, 1952 (1921) are placed on Official Lists.

Original references

The following are the original references to the names placed on Official Lists and Official Indexes by the ruling given in the present Opinion:

Acanthoteuthis Wagner, 1839, in Münster, G. Graf zu (Ed.), *Beiträge zur Petrefacten-Kunde*, part 1, p. 94.

arquata, *Kelaeno*, Münster, 1842, in Münster, G. Graf zu (Ed.), *Beiträge zur Petrefacten-Kunde*, part 5, p. 96.

CELAENIDAE Naef, 1922, *Die fossilen Tintenfische*, p. 150.

Celaeno Wagner, 1860, *Abhandlungen der Mathemat.-Physikalischen Classe der königlich bayerischen Akademie der Wissenschaften*, 8(3): 779.

KELAENIDAE Naef, 1921, *Mitteilungen aus der Zoologischen Station zu Neapel*, 22: 535.

Kelaeno d'Orbigny, 1841, *Bulletin de la Société Géologique de France*, 12: 354.

Kelaeno Münster, 1839, in Münster, G. Graf zu (Ed.), *Beiträge zur Petrefacten-Kunde*, part 1, p. 94.

Kelaeno Münster, 1842, *Neues Jahrbuch für Mineralogie, Geognosie, Geologie und Petrefacten-Kunde*, 1842: p. 46.

Muensterella Schevill, 1950, *Journal of Paleontology*, 24: 117.

MUENSTERELLIDAE Roger, 1952, in Piveteau, J. (Ed.), *Traité de Paléontologie*, vol. 2, p. 742.

speciosa, *Acanthoteuthis*, Münster, 1839, in Münster, G. Graf zu (Ed.), *Beiträge zur Petrefacten-Kunde*, part 1, p. 94.

The following is the reference for the designation of *Acanthoteuthis speciosa* Münster, 1839 as the type species of the nominal genus *Acanthoteuthis* Wagner in Münster, 1839 and, under Article 67h of the Code, for the fixation of *Kelaeno arquata* Münster, 1842 as the type species of *Muensterella* Schevill, 1950:

Bülow-Trummer, E. von. 1920. *Fossilium Catalogus, I (Animalia)*, part 11, pp. 268, 266 (respectively).